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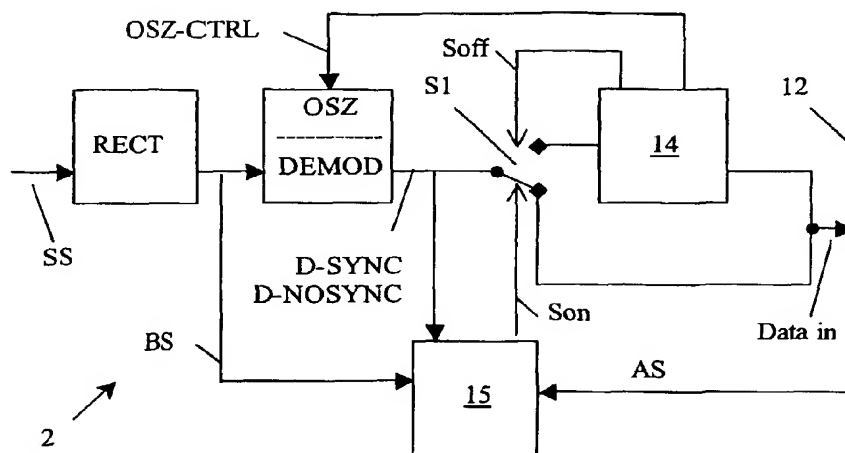
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(54) Title: SYNCHRONIZATION DURING ANTI-COLLISION



(57) Abstract: An RFID system comprises at least one reading device (1) and at least one transponder (2, 2', 2'', 2'''), which are configured for non-contact communication by means of modulated electromagnetic signals (SS), which contain data and/ or commands packed in data frames, in which the reading device (1) is configured for transmitting a group of data frames (D-SYNC), which contain synchronization information (Preamble, Start Delimiter) for synchronization with the transponder (2, 2', 2'', 2''') and to transmit another group of data frames (D-NOSYNC) which do not contain such synchronization information, in which the transponder (2, 2', 2'', 2''') has synchronization means (14, 20, 21) which are configured to effect synchronization with the reading device (1) with the help of synchronization information (Preamble, Start Delimiter) contained in received data frames (D-SYNC) and synchronization status test means (15, 15', 15'', 22) configured for detecting whether the transponder runs synchronously with the reading device and in the event of it not running synchronously, to switch on the synchronization unit (14, 20, 21).



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